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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/023,633	12/17/2001	Chandrasekaran Nageswara Gupta	RNI-001-1P	3249

7590 10/18/2005

LEGAL DEPARTMENT  
RAZA MICROELECTRONICS, INC.  
18920 FORGE DRIVE  
CUPERTINO, CA 95014

EXAMINER

CHANG, RICHARD

ART UNIT	PAPER NUMBER
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2663

DATE MAILED: 10/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/023,633

Applicant(s)

GUPTA ET AL

Examiner

Richard Chang

Art Unit

2663

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 30 July 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-41 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Specification*

1. The disclosure is objected to because of the following informalities in the specification:

The serial number for a concurrently related filed application, entitled "Hybrid Network to Carry Synchronous and Asynchronous Traffic over Symmetric and Asymmetric Links", is missing (See paragraph [0003], line 2).

The serial number for a concurrently related filed application, entitled "Dynamic Mixing of TDM Data with Data Packets", is missing (See paragraph [0004], line 2).

The serial number for a concurrently related filed application, entitled "Adaptive Link Quality Management for Wireless Medium", is missing (See paragraph [0005], line 2).

The serial number for a concurrently related filed application, entitled "Integration of Network, Data Link, and Physical Layer to Adapt Network Traffic", is missing (See paragraph [0006], line 2).

The serial number for a concurrently related filed application, entitled "Method of Generating, Transmitting, Receiving and Recovering Synchronous Frames with Non-standard Speeds", is missing (See paragraph [0007], line 2).

Appropriate corrections are required.

***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-11, 24-29 and 39-41 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by US patent No. 5,682,256 ("Motley et al.").

Regarding claim 1, Motley et al. teach a network node comprising:

a first network interface (10),

a cross connect switch coupled to the first network interface (RF links), and

a first multi-medium network interface (Optical links) coupled to the cross-connect switch (13), wherein optical signal can be converted from one modulation scheme to other interface scheme for RF signal at the switch interface (media abstraction) (See Fig. 1, Col. 2, lines 31-64).

Regarding claim 2, this claim has limitations that is similar to those of claims 1, thus it is rejected with the same rationale applied against claim 1 above.

Regarding claims 3-5, these claims have limitations that is similar to those of claims 2, thus it is rejected with the same rationale applied against claim 2 above.

Regarding claim 6, this claim has limitations that is similar to those of claims 5, thus it is rejected with the same rationale applied against claim 5 above.

Regarding claim 7 this claim has limitations that is similar to those of claims 1, thus it is rejected with the same rationale applied against claim 1 above.

Regarding claims 8-11, these claims have limitations that is similar to those of claims 7, thus it is rejected with the same rationale applied against claim 7 above.

Regarding claim 24, this claim has limitations that is similar to those of claims 1, thus it is rejected with the same rationale applied against claim 1 above.

Regarding claim 25, this claim has limitations that is similar to those of claims 24, thus it is rejected with the same rationale applied against claim 24 above.

Regarding claim 26, this claim has limitations that is similar to those of claims 25, thus it is rejected with the same rationale applied against claim 25 above.

Regarding claim 27, this claim has limitations that is similar to those of claims 26, thus it is rejected with the same rationale applied against claim 26 above.

Regarding claim 28, this claim has limitations that is similar to those of claims 27, thus it is rejected with the same rationale applied against claim 27 above.

Regarding claim 29, this claim has limitations that is similar to those of claims 28, thus it is rejected with the same rationale applied against claim 28 above.

Regarding claim 39, this claim has limitations that is similar to those of claims 1, thus it is rejected with the same rationale applied against claim 1 above.

Regarding claim 40, this claim has limitations that is similar to those of claims 1, thus it is rejected with the same rationale applied against claim 1 above.

Regarding claim 41, this claim has limitations that is similar to those of claims 40, thus it is rejected with the same rationale applied against claim 40 above.

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 12-23 and 30-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over US patent No. 5,682,256 ("Motley et al.") in view of US patent 6,646,983 ("Roy et al.").

Regarding Claim 12, as discuss above, Motley et al. teaches substantially all the claimed invention but did not disclose expressly the particular application involving limitations of

"wherein the cross connect unit is a Packet/TDM cross connect unit configured to process TDM data and packet data".

Roy et al. teaches a method and device for network switch supporting TDM/packet multimedia traffic (12 SONET and 44 Utopia ATM) (See Fig. 1, Col. 15, lines 14-33).

A person of ordinary skill in the art would have been motivated to employ Roy et al. in Motley et al. in order to obtain teach a network node and to take advantage of switch supporting TDM/packet multimedia traffic in claim 12.

The suggestion/motivation to do so would have been to support switch TDM/packet multimedia traffic, as suggested by Roy et al. in Col. 15, lines 14-33. At the time the invention was made, therefore, it would have been obvious to one of ordinary

skill in the art to which the invention pertains to combine Roy et al. with the Motley et al. to obtain the inventions specified in claim 12.

Regarding claim 13, this claim has limitations that is similar to those of claims 12, thus it is rejected with the same rationale applied against claim 12 above.

Regarding claim 14, this claim has limitations that is similar to those of claims 13, thus it is rejected with the same rationale applied against claim 13 above.

Regarding claim 15, this claim has limitations that is similar to those of claims 12, thus it is rejected with the same rationale applied against claim 12 above.

Regarding claim 16, this claim has limitations that is similar to those of claims 15, thus it is rejected with the same rationale applied against claim 15 above.

Regarding claims 17-21, these claims have limitations that is similar to those of claims 16, thus it is rejected with the same rationale applied against claim 16 above.

Regarding claim 18, this claim has limitations that is similar to those of claims 17, thus it is rejected with the same rationale applied against claim 17 above.

Regarding claim 19, this claim has limitations that is similar to those of claims 18, thus it is rejected with the same rationale applied against claim 18 above.

Regarding claim 20, this claim has limitations that is similar to those of claims 19, thus it is rejected with the same rationale applied against claim 19 above.

Regarding claim 21, this claim has limitations that is similar to those of claims 20, thus it is rejected with the same rationale applied against claim 20 above.

Regarding claim 22, this claim has limitations that is similar to those of claims 21, thus it is rejected with the same rationale applied against claim 21 above.

Regarding claim 23, this claim has limitations that is similar to those of claims 22, thus it is rejected with the same rationale applied against claim 22 above.

Regarding claim 30, this claim has limitations that is similar to those of claims 11 and Roy et al. further teaches that it is well known in the art that ATM network is that users contract for a quality of service (QOS) level, thus maintaining link quality management (See Fig. 1, Col. 2, lines 20-36), thus it is rejected with the same rationale applied against claim 30 above.

Regarding claims 31, 36 and 38, these claims have limitations that is similar to those of claims 30, thus it is rejected with the same rationale applied against claim 30 above.

Regarding claim 32, this claim has limitations that is similar to those of claims 31, thus it is rejected with the same rationale applied against claim 31 above.

Regarding claim 33, this claim has limitations that is similar to those of claims 32, thus it is rejected with the same rationale applied against claim 32 above.

Regarding claims 34-35, these claims have limitations that is similar to those of claims 33, thus it is rejected with the same rationale applied against claim 33 above.

Regarding claim 37, this claim has limitations that is similar to those of claims 36, thus it is rejected with the same rationale applied against claim 36 above.



**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

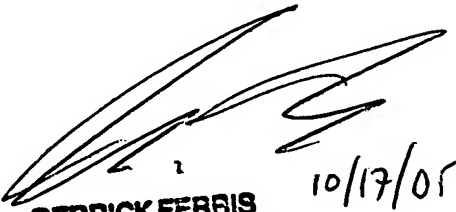
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Ngo can be reached on (571) 272-3139. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Ren*

rkc

Richard Chang  
Patent Examiner  
Art Unit 2663

  
**DERRICK FERRIS**  
**PATENT EXAMINER** 10/17/05